

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P794717

Luminaire Tested: LER6D65D010-EC6DR3055659035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794717  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D65D010-EC6DR3055659035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8636.9 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

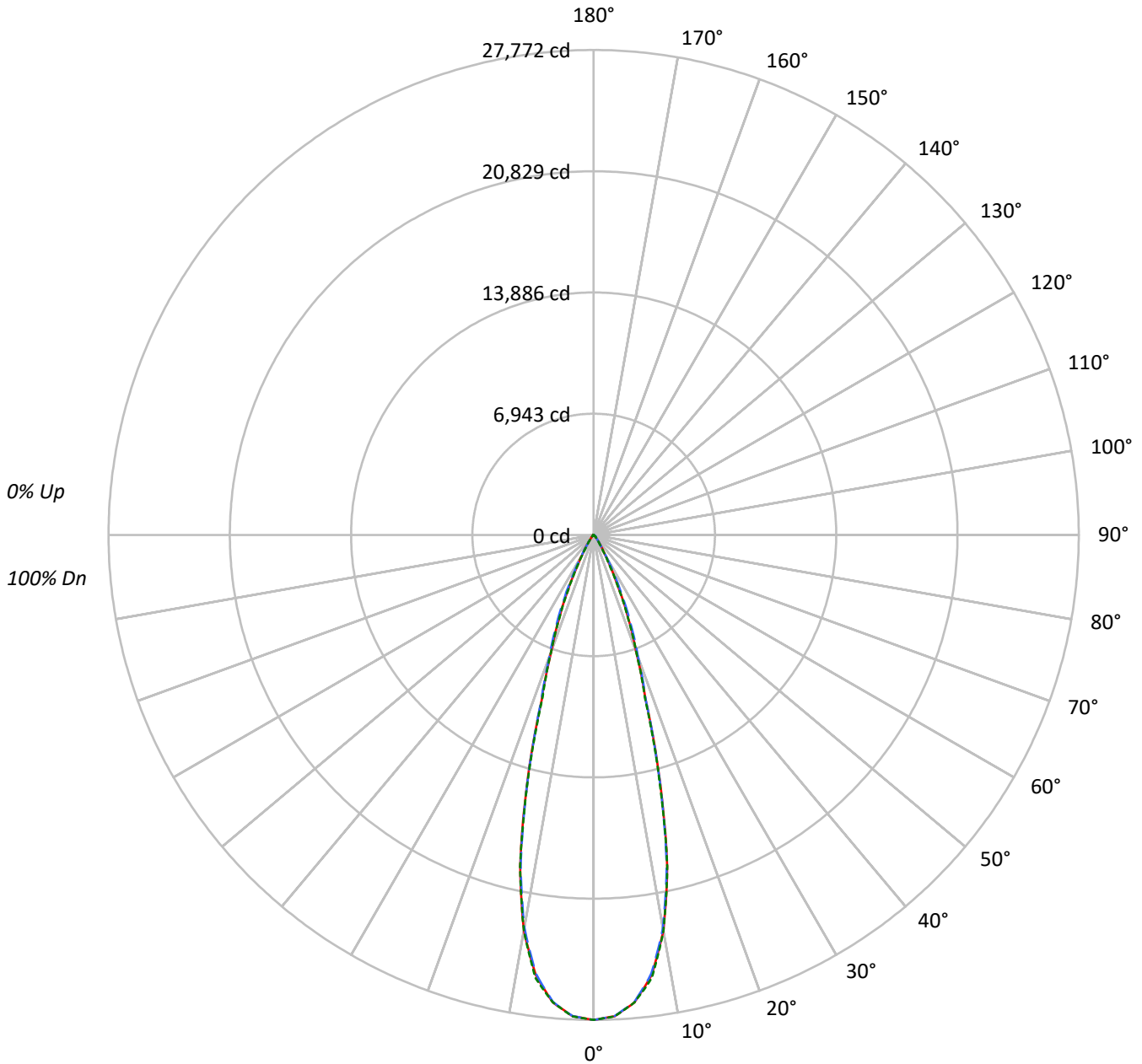
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P794717  
CATALOG NUMBER: LER6D65D010-EC6DR3055659035-6LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P794717

CATALOG NUMBER: LER6D65D010-EC6DR3055659035-6LBS1LI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2125740	2125740	2125740
5°	2064716	2062311	2064823
10°	1788356	1775749	1787936
15°	1166814	1160546	1154713
20°	580201	601975	579428
25°	292269	329574	286281
30°	117021	127504	101952
35°	54281	51982	43572
40°	23431	26019	22072
45°	16530	20513	16681
50°	5680	14933	6002
55°	3270	6192	3456
60°	2296	2710	2296
65°	1485	1485	1485
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 20513 cd/sqm



TEST NUMBER: P794717

CATALOG NUMBER: LER6D65D010-EC6DR3055659035-6LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2442.1	28.3
10°-20°	3933.0	45.5
20°-30°	1699.6	19.7
30°-40°	387.4	4.5
40°-50°	133.0	1.5
50°-60°	32.5	0.4
60°-70°	8.4	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8074.7	93.5
0°-40°	8462.1	98.0
0°-60°	8627.6	99.9
0°-90°	8636.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8636.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	27772	27772	27772	27772	27772	
5°	26872	26846	26840	26896	26873	2444
15°	14724	14547	14645	14598	14572	3943
25°	3461	3592	3902	3500	3390	1656
35°	581	593	556	552	466	394
45°	153	190	190	190	154	108
55°	24	26	46	27	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P794717

CATALOG NUMBER: LER6D65D010-EC6DR3055659035-6LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	27771.7	27771.7	27771.7	27771.7	27771.7
2.5°	27587.7	27568.6	27579.5	27593.1	27598.6
5°	26871.8	26845.9	26840.5	26896.4	26873.2
7.5°	25427.9	25391.1	25335.2	25462.0	25580.6
10°	23009.0	22968.1	22846.8	22906.8	23003.6
12.5°	19438.0	19305.8	19303.1	19493.9	19468.0
15°	14724.4	14547.2	14645.3	14597.6	14571.7
17.5°	9901.7	9833.6	9964.4	9924.9	9754.5
20°	7122.9	7140.6	7390.2	7264.7	7113.4
22.5°	5197.7	5261.7	5557.6	5234.5	5115.8
25°	3460.6	3591.5	3902.3	3500.1	3389.7
27.5°	2128.4	2188.4	2503.4	2101.2	2041.2
30°	1324.0	1294.0	1442.6	1238.1	1153.5
32.5°	868.5	830.4	878.1	788.1	719.9
35°	580.9	593.1	556.3	552.2	466.3
37.5°	362.7	417.2	368.1	392.7	300.0
40°	234.5	302.7	260.4	287.7	220.9
42.5°	192.3	233.2	214.1	227.7	196.3
45°	152.7	189.5	189.5	189.5	154.1
47.5°	84.5	126.8	162.3	129.5	90.0
50°	47.7	64.1	125.4	66.8	50.4
52.5°	32.7	36.8	85.9	38.2	34.1
55°	24.5	25.9	46.4	27.3	25.9
57.5°	19.1	20.5	24.5	20.5	19.1
60°	15.0	15.0	17.7	16.4	15.0
62.5°	10.9	10.9	12.3	10.9	10.9
65°	8.2	8.2	8.2	8.2	8.2
67.5°	4.1	5.5	5.5	5.5	5.5
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)